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Memphis MB1524

Memphis Audio MB1524 MSeries MB Subwoofer User Manual

Model: MB1524 | Brand: Memphis Audio

INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Memphis Audio MB1524 MSeries MB Subwoofer. Please read this manual thoroughly before attempting installation or operation to ensure optimal performance and safety.

SAFETY INFORMATION

Always observe the following safety precautions:

- Ensure all power is disconnected before installation or maintenance.
- Use appropriate wiring gauges and connectors.
- Avoid installing the subwoofer in locations exposed to excessive moisture, heat, or direct sunlight.
- Consult a professional installer if you are unsure about any aspect of the installation.
- This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

PACKAGE CONTENTS

Verify that all items are present in the package:

- Memphis Audio MB1524 15" MSeries MB Subwoofer
- Jumper Cable (for impedance selection)

SETUP AND INSTALLATION

Proper installation is crucial for optimal performance and longevity of your subwoofer. This subwoofer is designed for flush mount applications in car audio systems.

Mounting Considerations

The MB1524 subwoofer is designed for flush mounting. Ensure the mounting surface is rigid and capable of supporting the subwoofer's weight and vibration. Refer to the specifications section for product dimensions and woofer diameter to ensure proper enclosure design and fit.



Figure 1: Angled view of the Memphis Audio MB1524 Subwoofer, showing its overall design and terminal block.



Figure 2: Top-down view of the MB1524 Subwoofer, highlighting the cone and surround.

Wiring and Impedance Selection

The MB1524 features a selectable impedance design, allowing you to switch between 2Ω and 4Ω . This flexibility enables compatibility with a wider range of amplifiers and system configurations. Use the included jumper cable to select the desired impedance.



Figure 3: Rear view of the MB1524 Subwoofer, illustrating the impedance selection terminals.



Figure 4: Detailed view of the impedance selection block on the MB1524, showing options for 2Ω and 4Ω wiring.

To change the impedance, ensure the subwoofer is disconnected from all power sources. Locate the impedance selection terminals on the subwoofer. Use the provided jumper cable to bridge the terminals corresponding to your desired impedance (2Ω or 4Ω). Refer to the markings on the subwoofer for correct jumper placement.

Connect your amplifier's speaker output to the subwoofer's input terminals. Ensure correct polarity (+ to + and - to -) to prevent phase issues and ensure proper operation.



Figure 5: View of the MB1524 Subwoofer's main input terminals for amplifier connection.

OPERATING INSTRUCTIONS

Once installed and wired correctly, the Memphis Audio MB1524 Subwoofer will operate as part of your car audio system. Ensure your amplifier is properly configured for the selected impedance (2Ω or 4Ω) to prevent damage to either component.

Adjust amplifier gain and crossover settings according to your system's requirements and personal preference. Start with lower gain settings and gradually increase until desired bass output is achieved without distortion.

MAINTENANCE

The Memphis Audio MB1524 Subwoofer requires minimal maintenance to ensure long-term performance.

- **Cleaning:** Use a soft, dry cloth to wipe down the subwoofer cone and frame. Avoid using harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically check all wiring connections to ensure they are secure and free from corrosion.
- **Environment:** Ensure the subwoofer is not exposed to extreme temperatures or direct moisture.

TROUBLESHOOTING

If you experience issues with your subwoofer, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No Sound	No power to amplifier, incorrect wiring, amplifier in protect mode, incorrect impedance selection.	Check amplifier power and fuses. Verify all wiring connections. Ensure impedance setting matches amplifier.

Problem	Possible Cause	Solution
Distorted Sound	Amplifier gain too high, incorrect crossover settings, damaged voice coil.	Reduce amplifier gain. Adjust crossover frequency. Inspect subwoofer for physical damage.
Weak Bass	Incorrect impedance, phase issues, insufficient amplifier power, improper enclosure.	Verify impedance setting. Check speaker polarity. Ensure amplifier power matches subwoofer RMS rating. Review enclosure design.

If the issue persists after attempting these steps, contact Memphis Audio customer support or a qualified car audio technician.

SPECIFICATIONS

Feature	Detail
Model Name	MB1524
Speaker Type	Woofer
Recommended Uses	For Car Audio Systems
Subwoofer Diameter	15 Inches
Impedance	Selectable 2Ω or 4Ω
Speaker Maximum Output Power	500 Watts RMS
Voice Coil	2" 4-layer aluminum Dual Impedance voice coil
Surround	Reinforced double stitched rubber surround, folded for max excursion
Product Dimensions	6.89"D x 13.98"W x 6.89"H
Item Weight	14.3 Pounds
Color	Black
Mounting Type	Flush Mount
Connectivity Technology	Wired
Country of Origin	China

WARRANTY INFORMATION

The Memphis Audio MB1524 Subwoofer comes with a **Limited Warranty**. For specific terms, conditions, and duration of the warranty, please refer to the warranty card included with your product or visit the official Memphis Audio website. Keep your purchase receipt as proof of purchase for warranty claims.

CUSTOMER SUPPORT

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Memphis Audio customer support:

- **Website:** www.memphiscaraudio.com
- **Phone:** Refer to the official website for contact numbers.

Please have your product model number (MB1524) and purchase information ready when contacting support.

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